

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number  
**WO 2005/060794 A1**

(51) International Patent Classification<sup>7</sup>: **A47C 7/40**,  
7/02, B60N 2/66

Drive, Ypsilanti, MI 48197 (US). PEWINSKI, Wendy,  
M. [US/US]; 2620 Eardman Court, Westland, MI 48186  
(US).

(21) International Application Number:  
PCT/CA2004/002177

(74) Agents: IMAI, Jeffrey, T. et al.; Magna International Inc.,  
337 Magna Drive, Aurora, Ontario L4G 7K1 (US).

(22) International Filing Date:  
22 December 2004 (22.12.2004)

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/532,771 23 December 2003 (23.12.2003) US

(71) Applicant (for all designated States except US): INTIER  
AUTOMOTIVE INC. [CA/CA]; 521 Newpark Boulevard,  
Newmarket, Ontario L3Y 4X7 (CA).

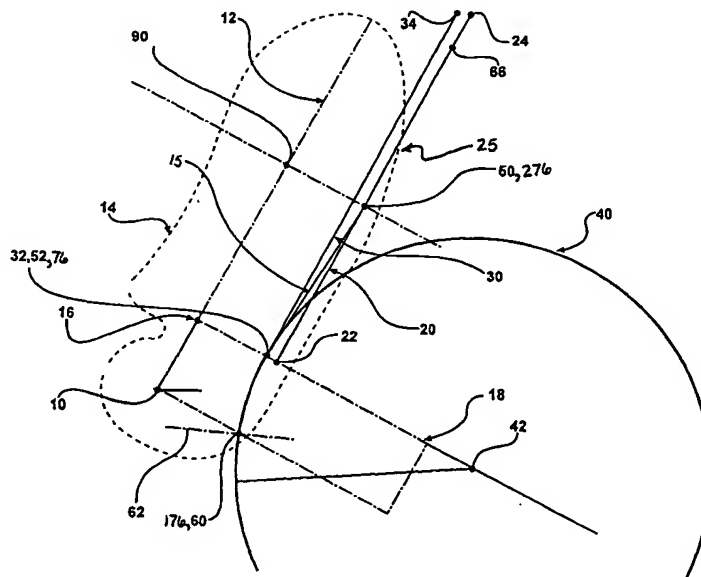
(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MILOSIC, Mari,  
C. [US/US]; 1383 Bedford, Grosse Pointe Park, MI 48230  
(US). BECKER, Stephen [US/US]; 7313 Royal Troon

[Continued on next page]

(54) Title: METHOD OF PROVIDING A SEAT BACK INVOLVING THE USE OF A DESIGN MANIKIN



(57) Abstract: A method of providing a seat back (17) of a seat assembly including shape defining steps that involve the use of a design manikin (14). A contour of the centerline (15) for the seat back is determined according to a hip point (10), or 'h-point', and a torso line (12) of the manikin. The determination includes definition of a lumbar apex reference point (16) above the hip point along the torso line, a lumbar shape reference circle (40) defined as being behind the torso line and spaced apart therefrom, a forward lumbar prominence line (30) which is parallel to the torso line and tangential to the lumbar shape reference circle, and a rearward lumbar prominence (20) line which is parallel to and rearward of the forward lumbar prominence line.

WO 2005/060794 A1



**Published:**

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*